

Amendments to the Specification

Page 1, before line 1, insert the following text.

a1 **BACKGROUND OF THE INVENTION**

1. **FIELD OF THE INVENTION**

Page 1, between lines 8 and 9, insert the following text.

a2 2. **Discussion of the Related Art**

Page 3, between lines 20 and 21, insert the following text.

a3 **BRIEF SUMMARY OF THE INVENTION**

Page 4, between lines 12 and 13, insert the following text.

a4 **BRIEF DESCRIPTION OF THE DRAWINGS**

Page 4, between lines 21 and 22, insert the following text.

a5 **DETAILED DESCRIPTION OF THE INVENTION**

Page 7, beginning with line 3, amend the Abstract as follows.

~~Method of transmitting between a base station in an access network and an access network
controller of a telecommunications system.~~

a6 ~~The present invention concerns a~~ A method of transmitting, over a physical link
between a base station and a controller of a telecommunications system, data issuing from a
~~plurality of users in communication~~ communicating with the ~~said~~ base station, the ~~said~~ data
~~being segmented in the form of cells, the said system being designed so that the said cells are~~
~~sent over the said link at~~ different transmission time intervals ~~TTI which are different~~
~~according to the type to which they belong. According to the present invention, this method is~~
~~characterised in that it consists of using as~~ As many queues as there are different types of data
which the ~~said~~ telecommunications system can manage are used, the ~~said~~ queues being fed by
the cells carrying the ~~said~~ data, each queue being fed by the cells to which the type of data
corresponding to the ~~said~~ queue is allocated, the ~~said~~ queues being emptied in time ~~slices~~

96 periods with a predetermined duration in the following manner: at the commencement of each ~~slice~~ period, the first non-empty queue, in increasing order of the said time intervals allocated to the said queues, is emptied, then the second non-empty one is emptied, ~~then the third non-empty one, etc, and at the expiry of the said time slice, the cycle recommences,~~ whatever the state of the said queues.

Fig 2
